

# Safety Data Sheet

Date issued: 18 May, 2015

## SECTION 1. GHS PRODUCT IDENTIFIER

- 1.1. Name of the product:** Tandy Eco-Flo Oil Dyes (Colors: Black, Light Brown, Dark Brown, Saddle Tan, Wheat)
- 1.2. Other means of identification:** #2615 & #2616
- 1.3. Recommended use of the product and restrictions on use:** For dyeing leather only.

### 1.4. Details of the supplier:

Manufacturer: Fiebing Company, Inc.  
516 South Second Street  
Milwaukee WI – 53204  
Phone: 414 271 5011  
Emergency phone: 1 800 434 9300

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification / risks

According to classification criteria of GHS Part 2 for Flammable Liquids: **Not Classified**

According to classification criteria of GHS Part 3 for Acute Toxicity: **Not Classified**

Based on generic cut-off values of GHS 1.5.3.1 for carcinogenicity: **Not Classified**

Based on GHS 3.3.2.9 criteria: **Category 2B Eye irritant** (Mildly irritating to eyes)

### 2.2. Label elements

Pictogram: None

Signal word: WARNING

Hazard Code: H 320 - Eye Irritation 2B

Hazard statements: Causes Eye Irritation

Precaution: P101: If medical advice is needed, have product container or label at hand  
P102: Keep out of reach of children

Prevention: P280: Wear protective gloves / eye protection

Response: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several Minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.

Storage: P405 Keep store locked up

Disposal: P501 Dispose of contents and containers in accordance with all local, Regional, national and international regulations.

Additional Hazards: Not applicable.

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1. Mixtures

**Classification:**

Ingredient	CAS#	EINECS#	Class	REACH Registration Number	Wt%
2-(2-ethoxyethoxy) ethanol	111-90-0	203-919-7	Eye irritant 2B: H320	01-2119475105-42-005	33.3 – 75.0
Linseed Oil	8001-26-1	232-278-6	Not classified	Exempt	15 - 45
Oleic Acid	112-80-1	204-007-1	Not classified	Exempt	8.7 – 15.0
CI Solvent Brown 42	61725 – 75-5		Not classified	Not available	1.0 – 3.5
CI Solvent Black 28	12237-23-9		Not classified	Not available	0.1 – 2.0
CI Solvent Yellow 83	12239-75-7		Not classified	Not available	0.1 – 0.3
CI Solvent Red 125	12271-00-0		Not classified	Not available	0.1 – 0.9

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

- Eye:** In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- Skin:** If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists. Take off contaminated / soaked clothes and remove it to a safe place.
- Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
- Inhalation:** If breathing is difficult, remove the victim to fresh air and keep at rest in a Position comfortable for breathing. Get medical advice/attention if you feel Unwell.

### 4.2. Most important symptoms and effects, both acute and delayed: Not determined.

- Eye:** Causes eye irritation. Symptoms may include discomfort, redness, blinking and tear production.
- Skin:** May cause mild skin irritation. Symptoms may include redness and drying of the Skin.
- Inhalation:** Repeated exposure may cause respiratory tract irritation.
- Ingestion:** May cause stomach distress, nausea or vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed:

**Note to physicians:** symptomatic treatment. However, symptoms may not appear immediately. If medical advice is needed, have product container or label at hand.

## **SECTION 5. Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media:** carbon dioxide, dry powder, foam; water spray or water fog.

**Unsuitable extinguishing media:** None known.

### **5.2. Special hazards arising from the substance or mixture**

**Products of Combustion:** May include, and are not limited to oxides of carbon.

### **5.3. Advice for firefighters:**

Proceed in accordance with procedures applicable for extinguishing chemical fire. Keep containers cool with water spray from a safe distance, and if possible remove them from the endangered area. Keep upwind of the fire. Wear full fire fighting turn-out gear and respiratory protection.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Use individual protection measures – see section 8 of the Safety Data Sheet. Limit the access of bystanders to the endangered area until proper cleaning operations are finished. In the case of great leakage isolate the endangered area. Ensure that breakdown and its results are eliminated by a properly trained staff only. Avoid contact with the eyes, skin and clothes. Do not inhale vapors or mist. If release occurred in closed area, ensure adequate ventilation.

### **6.2. Environmental precautions**

If it is possible and safe, stop or limit product release. Limit spreading of the great leakages by embanking the area. Prevent the product from penetrating drains, waters or soil. Notify respective authorities (occupational safety and hygiene, emergency brigades, environmental brigades and organs of administration).

### **6.3. Methods and material for containment and cleaning up**

Cover up small spillage with non-flammable, neutral absorbent material (sand, soil, diatomic earth, vermiculite) and collect in an appropriate, closed, labeled waste bin. Clean the contaminated area with water with detergent, and then rinse with water. Dispose off according to the applicable regulations. If necessary, obtain help from specialist companies dealing with waste transport and utilization in order to remove the product/absorbent material contaminated with the product.

**6.4. Reference to other sections:** See also sections 8 and 13 of the Safety Data Sheet.

## **SECTION 7. HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

**Handling:** Avoid contact with the eyes, skin and clothes. Avoid breathing vapor and fog. Keep unused containers tightly closed. Use in a ventilated area.

**General Hygiene:** Essential hygiene rules should be observed. Clean hands with soapy water after Work/break in work. Do not use contaminated clothing. Immediately remove contaminated clothing and wash before reuse. Use individual protection measures in accordance with the information contained in Section 8.

**Fire and explosion prevention:** Do not smoke, eliminate possible ignition sources.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage:** Store in tightly sealed and properly labeled containers, in a cool, well ventilated place and away from incompatible materials (See Section 10). Keep out of reach of children.

**7.3. Specific end use(s):** None available.

## SECTION 8. EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

### 8.1. Control parameters

### 8.2. Exposure controls

Ingredients	OSHA-PEL/ACGIH-TLV / Others
2-(2-ethoxyethoxy) ethanol	TWA 25 ppm (WEEL)
Linseed Oil	15 mg/m <sup>3</sup> total dust (TWA)
Oleic Acid	No data available
CI Solvent Brown 42	No data available
CI Solvent Black 28	No data available
CI Solvent Yellow 83	No data available
CI Solvent Red 125	No data available

### Appropriate engineering controls:

General ventilation and/or local fume hood in order to maintain hazardous agent concentration in air below acceptable limits. Local fume hood is preferred, since it enables emission control at source and prevents spreading throughout the working area.

### Personal protective equipment:

**Eye / face protection:** Tight safety eyeglasses (goggles) in the case of prolonged exposure or the risk of liquid splashing to the eye. It is recommended to equip the workplace with a water shower to flush eyes.

**Skin protection:** Wear impermeable gloves (e.g. perbutane, viton, butyl rubber). It is recommended to change gloves regularly and replace them immediately if any signs of wear or damage (tearing, puncture) or changes in appearance (color, flexibility, shape) occur. Wear protective apron or protective suit made of coated, oil-resistant, anti-slippery shoes.

**Respiratory protection:** Not required under normal conditions of use. In the case of exceeding the acceptable limits or inadequate ventilation use the approved respirator equipped with a suitable filter or filter-absorber. For activities in the circumstances, in which the mask does not provide adequate protection, use self-contained breathing apparatus.

**Thermal hazards:** Not applicable

**Environmental exposure controls:** Consider using precautionary measures in order to protect the area around storage tanks.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

- a) Appearance : Thin liquid, various colors
- b) Odor: Faint characteristic
- c) Odor threshold: No data available
- d) pH: Not applicable
- e) Melting point: Not applicable  
Freezing point: < 0° C
- f) Initial boiling point: > 100 Deg.C  
Boiling range: Not available
- g) Flash point : > 93 °C
- h) Evaporation rate: No data available
2. Flammability: Not Flammable
- j) Upper/lower flammability limit or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: 0.98 – 1.00 g/cm<sup>3</sup> at 15 °C
- n) Solubility: Dispersible in water, alcohol
- o) Partition coefficient n-octanol/ water: No data available
- p) Auto-ignition point: Not applicable
- q) Decomposition temperature: No data available
- r) Viscosity: 5 – 25 cps (LVDE #1 @ 100 RPM)
- s) Explosive properties: Not applicable
- t) Oxidizing properties: Not available

### 9.2. Other information

No data available

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use

### 10.2. Chemical stability

The substance is stable under normal ambient conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use

### 10.4. Conditions to avoid:

High temperature, incompatible materials.

**10.5. Incompatible materials**

Strong oxidizers

**10.6. Hazardous decomposition products**

May include and are not limited to: oxides of carbon

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Likely routes of exposure:** Eye, skin, ingestion**Acute health effects:**

- Eye:** Causes eye irritation. Symptoms may include discomfort, redness, blinking and tear production.
- Skin:** May cause mild skin irritation. Symptoms may include redness and drying of the skin.
- Inhalation:** Repeated exposure may cause respiratory tract irritation.
- Ingestion:** May cause stomach distress, nausea or vomiting.

**Acute toxicity:**

Ingredient	LD 50	LC 50
2-(2-ethoxyethoxy) ethanol	Oral: 10,502 mg/kg rat Dermal: 9,143 mg/kg rabbit	Inhalation: 4 h > 50 mg/L rat
Linseed Oil	Oral: > 15000 mg/kg rat	No data available
Oleic Acid	Oral: > 25000 mg/kg rat	No data available
CI Solvent Brown 42	Oral: 3350 mg/kg	No data available
CI Solvent Black 28	Oral: > 3000 mg/kg	No data available
CI Solvent yellow 83	No data available	No data available
CI Solvent Red 125	Oral: > 5000 mg/kg	No data available

Up to 2% of the mixture consists of ingredient (s) of unknown toxicity

**Skin corrosion/irritation:**

Classification criteria have not been met based on the available data.

**Serious eye damage/irritation:**

Causes eye irritation

**Respiratory or skin sensitization:**

Classification criteria have not been met based on the available data.

**Germ cell mutagenicity:**

Classification criteria have not been met based on the available data.

**Carcinogenicity:** This product is not classified as carcinogen

**Reproductive toxicity:**

Developmental: This product does not contain known reproductive or developmental toxins.

**STOT – single exposure:**

Classification criteria have not been met based on the available data.

**STOT – repeated exposure:**

Classification criteria have not been met based on the available data.

**Aspiration hazard:**

Classification criteria have not been met based on the available data.

**SECTION 12. ECOLOGICAL INFORMATION****12.1. Toxicity:**

**Acute/Chronic toxicity:** Not considered to be harmful to aquatic life

Ingredient	
2-(2-ethoxyethoxy) ethanol	96 h LC-50 bluegill sunfish > 10000 mg/l 96 h LC-50 tidewater silverside > 10000 mg/l 24 h LC-50 goldfish > 5000 mg/l
Boiled Linseed Oil	Not considered to be toxic to aquatic organism
Oleic Acid	LC 50: 137 mg/l
CI Solvent Brown 42	Toxicity to microorganisms: EC50 (3 h): > 100 mg/l
CI Solvent Black 28	No data available
CI Solvent Yellow 83	No data available
CI Solvent Red 125	Fish: C.1 Brachydanio rerio/LC50 (96 h): > 100 mg/l Toxicity to microorganisms: EC50 (3 h): > 100 mg/l

Contains up to 2% of components with unknown hazard to the aquatic life

**12.2. Persistence and degradability**

Not available

**12.3. Bioaccumulative potential**

Not available

**12.4. Mobility in soil**

Not available

**12.5. Results of PBT and vPvB assessment**

According to Annex XIII, the substance does not meet PBT or vPvB criteria.

**12.6. Other adverse effects**

Not available

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

**Disposal method:** This material must be disposed of in accordance with all local, state, provincial and federal regulations. The generation of waste should be avoided and minimized wherever possible.

**Other disposal recommendations:** Not available

**SECTION 14. TRANSPORT INFORMATION**

The substance is not a subject to transport regulations on hazardous goods included in ADR (road transport), **RID** (rail transport), **IMDG** (marine transport) and **ICAO/IATA** (air transport).

**US DOT:** Not regulated

**14.1. UN number** Not applicable

**14.2. UN Proper shipping name** Not applicable

**14.3. Transport hazard class(es)** Not applicable

**14.4. Packing group** Not applicable

**14.5. Environmental hazards** Not applicable

**14.6. Special precautions for users** Do not handle until safety precautions have been read and understood.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

**SECTION 15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This Safety Data Sheet classification and labeling have been determined according to Regulations: (EC) No. 1907/2006(REACH), 1272/2008(CLP) and OSHA final rule 77 Fed.Reg.17574.

Canada: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by Controlled Products Regulations.

TSCA (USA): In compliance

SARA Title III (USA)

Section 302: None listed

Section 304: None listed

Section 313: Diethylene glycol monoethyl ether (Glycol Ethers Category) - 5% by weight

CA Proposition 65 (USA) chemicals: None

CARB VOC compliance (USA): Compliant to the 15% VOC rule for liquids.

Global Inventories(DSL): 2-(2-ethoxyethoxy) ethanol

NFPA (USA): Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

**15.2: Chemical safety assessment**

A chemical safety assessment has not been carried out for this product.

**SECTION 16. OTHER INFORMATION**

**Date of preparation:** May 27, 2013

**Version:** 2.0

**Revision date:** 18 May, 2015

**Revised changes:** REACH information

**Classification for the mixtures were derived using GHS Classification criteria.**

**Classification**  
Eye Irritant 2B

**Classification procedure**  
GHS criteria 3.3.2.9



**Relevant H and P phrases:**

- H 320 Causes eye irritation
- P101 If medical advice is needed, have product container or label at hand
- P102: Keep out of reach of children
- P280: Wear protective gloves / eye protection
- P305 IF IN EYES:
- P351 Rinse cautiously with water for several minutes.
- P338 Remove contact lenses, if present and easy to do. Continue rinsing.
- P405 Keep store locked up
- P501 Dispose of contents and containers in accordance with all local, regional, national and international regulations.

**Abbreviations and acronyms in the Safety Data Sheet**

CAS No. Chemical Abstracts Service Number

EINECS No. European Commission Number

REACH No. Registration, Evaluation, Authorization and Restriction of Chemicals Number

TLV-TWA Threshold Limit Value

TLV-STEL Threshold Limit Value, Short Term Exposure Limit

TLV-C Ceiling exposure limit

vPvB very Persistent, very Bioaccumulative (substance)

PBT Persistent, bioaccumulative, and toxic (substance)

LD<sub>50</sub> Dose that will kill 50% of the test animals

LC<sub>50</sub> Concentration that will kill 50% of the test animals

STOT Specific Target Organ Toxicity

RID Regulations Concerning the International Carriage of Dangerous Goods by Rail

ADR Agreement on Dangerous Goods by Road

IMDG International Maritime Transport of Dangerous Goods

IATA International Air Transport Association

**The list of applicable phrases or precautionary statements not specified in whole in sections 2-15 of the Safety Data Sheet.**

None.

**Advice on training for employees:**

Employees who use the product should be trained on risks for health, hygiene, use of individual protection, accident preventive actions, rescue actions, etc.

**Disclaimer:** This MSDS is not a quality certificate for the product. All data presented in this sheet are to be taken only as a help in safe handling in transport, distribution, use and storage. Persons handling the product should be informed about risks and precautionary measures. Information in the Safety Data Sheet relates to the above mentioned products and their specified uses only. They may be obsolete or insufficient for this product used in conjunction with other materials or in different applications than those specified in the Safety Data Sheet. The user is obliged to follow all applicable standards and regulations and is also responsible for inappropriate use of information contained in this sheet or for an inappropriate use of the product. In the case of special applications evaluate exposure and develop the appropriate procedure and training programs in order to ensure safety at work.